

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

13. (Currently amended) A method of identifying a compound that is transported by an OATP2 protein comprising the amino acid sequence of SEQ ID NO:2 ~~for identifying a substrate which is capable of being transported by the OATP of claim 5, or a part of said OATP,~~ said method comprising the steps of:

- (a) contacting an ~~reacting said~~ OATP2 protein which is located in a liver cell or a cell expressing an exogenous OATP2 protein, ~~or part of said OATP,~~ with said compound ~~substrate which is potentially capable of being transported by the said OATP2 or part of said OATP,~~ under conditions which permit the movement of said compound ~~substrate~~ across the cell a membrane; and
- (b) assaying for the movement of said compound ~~substrate~~ across the membrane, wherein the assaying comprises:
 - (i) lysing the cell to generate cell lysate; and
 - (ii) detecting the presence of compound in the lysate,wherein the presence of the compound in the lysate indicates the compound is transported by OATP2.